

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v8)**

1. Factor the expression  $11x^2 - 84x + 49$

$$(11x - 7)(x - 7)$$

2. Factor the expression  $7x^2 + 45x + 18$

$$(7x + 3)(x + 6)$$

3. Factor the expression  $11x^2 - 94x + 48$

$$(11x - 6)(x - 8)$$

4. Factor the expression  $11x^2 - 28x - 15$

$$(11x + 5)(x - 3)$$

5. Factor the expression  $3x^2 - 20x - 7$

$$(3x + 1)(x - 7)$$

6. Factor the expression  $7x^2 + 32x + 16$

$$(7x + 4)(x + 4)$$

7. Factor the expression  $7x^2 + 33x - 10$

$$(7x - 2)(x + 5)$$

8. Factor the expression  $7x^2 - 8x + 1$

$$(7x - 1)(x - 1)$$

9. Factor the expression  $7x^2 + 61x - 18$

$$(7x - 2)(x + 9)$$

10. Factor the expression  $7x^2 + 53x + 28$

$$(7x + 4)(x + 7)$$